

Xiang Ji

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EDUCATION

UNIVERSITÄT TÜBINGEN

MA IN COMPUTATIONAL LINGUISTICS
Grad. Mar. 2019 | Tübingen, Germany
GPA: 1.1 (Best possible 1.0)

UNIVERSIDAD CATÓLICA DE CHILE

COMPUTER ENGINEERING (EXCHANGE)
Aug. 2013 - Jun. 2014 | Santiago de Chile

UNIVERSITY OF HONG KONG

BENG IN COMPUTER SCIENCE
Grad. May 2016 | Hong Kong

LINKS

Blog: xiangji.me
StackExchange: [xji](https://stackoverflow.com/users/1041222/xji)
Github: [xji](https://github.com/xji)

TALKS

Comparing Actor Model and CSP Concurrency with Elixir and Clojure (Code BEAM STO 2022 & ElixirConfEU 2022)

SKILLS

PROGRAMMING

Comfortable:

Elixir • JavaScript • HTML • CSS

Familiar:

Python • Ruby • Erlang • Clojure • Haskell • R • Julia • Rust • Java • C • SQL

Miscellaneous:

Vim • Git • Unix • GraphQL • React • Vue.js • RabbitMQ • TensorFlow • \LaTeX

LANGUAGES

Native:

Mandarin Chinese

Professional working proficiency:

English (SAT 1490/1600) • German (C1-C2) • Spanish (C1) • Japanese (N1)

Limited working proficiency:

Cantonese

COURSEWORK

Functional Programming
Programming Languages
Compiling Techniques
Distributed Computing
Deep Learning for NLP
Information Retrieval
Bayesian Data Analysis and Modeling
Mobile Application Design and Programming
Operating Systems
Computer Networking

EXPERIENCE

REMOTE | SENIOR BACKEND ENGINEER – TEAM LEAD

Jan 2022 – Present | Berlin

- Bootstrapped the Mobility team. Worked closely with stakeholders and other engineers to build products that support mobility workflows such as right to work checks and relocation processes.
- Led an away team to build a WYSIWYG form builder, an integral part of Remote's backend-driven form system extensively used across all products by more than 100 engineering peers.
- Started to lead the Contractor Experience team from the end of 2023. My job involves collaborating with stakeholders to scope, refine, and plan projects, assisting direct reports in their career growth, as well as hands-on Elixir development. Led the team to a smooth delivery of the Freelancer Hub project.
- Served on the RFC council to facilitate discussions of and final decisions on RFCs in the Engineering department.
- Proposed and implemented refactorings across the Elixir codebase, which ensured code quality, reduced errors, and increased developer productivity.
- Participated in the interview process. Serve in the on-call rotation.

KLOECKNER.I | BACKEND ENGINEER – SENIOR BACKEND ENGINEER

May 2019 – Dec 2021 | Berlin

- Scaled Elixir projects by clustering BEAM VM nodes.
- Involved in design decisions including an event-driven architecture using RabbitMQ.
- Led two squads that delivered the assigned projects ahead of schedule.
- Performed job interviews and on-call duty. Regularly contributed to the *engineering blog*.

_MAGPIE PROJECT | ELIXIR DEVELOPER

May 2017 – March 2019 | Tübingen

- *_magpie* is an open-source framework for online linguistics/psychology experiments initiated by *Prof. Michael Franke*.
- More than a hundred experiments have been conducted by researchers at institutes including Stanford/Tübingen/Osnabrück using the framework.
- Solely developed the *backend* which supports real-time interactive experiments similar to online multiplayer games, using Phoenix Channels.
- Deployed and administered the project on the university server and on Heroku. Set up CI/CD pipeline.

SPACIOUS | SOFTWARE ENGINEER

September 2014 – May 2015 | Hong Kong

- Full-stack web development with Ruby on Rails and JavaScript.

RESEARCH

HKU PROGRAMMING LANGUAGE GROUP | RESEARCH ASSISTANT

July 2015 - May 2016 | The University of Hong Kong

- Worked under *Dr. Bruno C.d.S. Oliveira* on a modular programming language prototyping framework powered by Oracle Graal/Truffle.

PROJECTS

TYPIST.ROCKS | SIDE PROJECT

2018

- *Typist.rocks* is a website for practicing touch typing skills.
- Full-stack web development with Phoenix Framework and Typescript.